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FTD-TT-62-794

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- I. Molchanov, Ye. I.
- II. AEI TP/T-2649
- III. DSIR LLU M.1675
- IV. Associated Electrical
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Office of Technical Services

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Make Way for Progressive Steel Smelting Techniques,
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Sci - Electronics

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Use of Low-Pressure, High Calorific Value Hot Gas
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Floshebenko, 3 pp.

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^WConsultants Bureau

Sci - Min/Mat

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Self-Purification of Cesium-137 From Water in
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JPRS-L-813-N

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Properties of Glasses in the Ternary System:
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Polarographic Analysis of the Liquid Products
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CB

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Catalytic Cracking Performed with Silica-Magnesia,
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Sci - Fuels

USSR

Econ - Industry, petroleum

Jun 1956

Dex only

Copolymerisation of Unsaturated Polyesters
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of Polydiethyleneglycol Fumarate With Styrene,
Acrylonitrile, Methyl Methacrylate, and Vinyl
Acetate, by S. S. Spasekiy, M. A. Mikhailova,
A. I. Ternov, T. V. Molchanova, M. E. Mat'kova,
3 pp.

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Cleaver-Hume Press LTD

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Sci
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THE APPLICATION OF RADIOACTIVE ISOTOPES FOR
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NO 1, 1962, PP 85-91.

JRS 1989b

SCI - MISC
JUL 63

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Radiometric and Photometric Methods of Determining the Quality of Pesticides Used in the Spraying of Crops, by S. V. Andreyev, D. K. Martens, V. A. Molchanova, V. A. Darylov,

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JPRS 29113

Sci-Chem

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Utilization of Radioactive Isotopes for Insect
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Characteristics of the Subcutaneous Loose Connective
Tissue in Cats of Various Ages, by V. V. Molchanova,
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Jan/Feb 1957

Sci - Biology
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Development of the Science of Human Nutrition in the USSR
During the Forty Years of Soviet Power, by O. P.
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FDD/X-3491

Sci - Med
May 59

Electric Generator, by B. M.
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RUSSIAN, Patent 117379.

NLL M.4012

Sci - Electricity

Feb 62

186.589

61-28185

Molchanyuk, B. M.
ELECTRIC GENERATOR. [1961] [3]p. C. E. Trans.
1904; [DSIR LLU] M. 4012.
Order from OTS or SLA \$1.10 61-28185

Trans. of Soviet patent specification 117379, gr. 97,
cl. 21 g. 35, appl. 22 Jan 58, no. 590718/24.

DESCRIPTORS: *Generators, Electricity, Design

The electrical generator which converts the kinetic energy of a stream of ionized gas directly to electrical energy, and contains three systems of electrodes, arranged one behind the other in the direction of the gas stream, is different in that, for the purpose of increasing the specific capacity (i. e. the capacity per unit of weight) of the generator, the electrodes of the middle system are made in the form of plates which extend the whole length of the interval between the (Engineering--Electrical, TT, v. 6, no. 11) (over)

- I. Molchanyuk, B. M.
- II. Patent (USSR) 117 379
- III. CE Trans-1904
- IV. DSIR LLU M. 4012
- V. Central Electricity
Generating Board
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Office of Technical Services

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Illnesses in Children, by M. A. Elshina,
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Pergamon Press

Sci

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Electromagnetic Dipole Method for Determining
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Sci - Phys

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BISI 1510

(15 158.03.)

Sci - Electron; Phys
Feb 60

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Sci-Phys
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A Spectrogoniograph for Determination of the
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Astronomii. Issledovaniya po Fizike Atmosfery.
No 6, 1964, pp 92-98.
AIR/PTD/MT-23-1224-67

Kh. Moldau

Sci-Phys
Nov 63

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Spectral Distribution of Direct and Diffuse Solar
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NASA TT F-9142

Sci-Phys
Jan 65
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The Synthesis and Properties of Some Derivatives of
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Its N-Oxide, by B. L. Moldaver, Z. V. Pushkareva, 5 pp.

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1961, pp 3793-3798.

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Aug 62

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Treatment of Dysentery With Small Doses of
Synthomycin, by M. P. Guskova, G. Ya. Moldav-
skaya, 3 pp.

RUSSIAN, no per, Zhur Mikrobiol, Epidemiol i
Immunobiol, Vol XXVIII, No 1, 1957, pp 17-29.

Pergamon Press

Sci - Med
Jun 57

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(for NIH)

On Maximum Increase in Moment of DC Machines
with Independent Excitation at Low Tempera-
tures, by A. I. Molgaver.

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Vol XXXI, No 3, 1960, pp 66-68.

ERDL Ft Belvoir
T-1282

Sci - Engr

Jun 61

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Moldaver, T. I.
SELENIUM RECTIFIERS (O Selenovyykh Vypriyemitel-
yakh). [1963] [25]p. (foreign text included) 14 refs.
Order from OTS or SLA \$2.60 63-14422

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya
Fizicheskaya, 1941 [v. 5] no. 4/5, p. 457-466.

DESCRIPTORS: *Disk rectifiers, *Rectifiers,
*Selenium, Vapors. Condensation, Electrodes, Vacuum
apparatus, Cadmium, Manufacturing methods.

A method is described for the mass preparation of
washers (Rectifier Discs) for solid selenium rectifiers,
this method being based on the condensation of selenium
vapours in vacuum. The results of using Fe, Ni, Al,
Cd, Cu and Zn as a material for preparation of con-
tact electrodes are reported. It is shown that the
large resistance in the easy flow direction, which
arises if cadmium is made use of for the preparation
(Engineering--Electronic, TT, v. 10, no. 4) (over)

I. Moldaver, T. I.

Office of Technical Services

Moldavskii, B. and Zharkova, V.
ISOMERIZATION OF HYDROCARBONS. VII. ANALY-
SIS OF MIXTURES OF ISOMERIC PENTENES. [1961]
5p. 7 refs.
Order from OTS or SLA \$1. 10

61-18161

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 359-364.

DESCRIPTORS: *Hydrocarbons, *Molecular isomerism,
*Pentenenes, Determination.

A method of analysis of mixtures of isomeric pentenes
was developed, consisting in distilling off 3-methyl-1-
butene and determining in the residue the total amount
of unsaturated and that of unsaturated with a double
bond at a tertiary carbon atom. This method is suitable
also to the determination of other olefins, for instance
those containing 4, 6 or 7 carbon atoms and possessing
a double bond at a tertiary carbon atom. The analytical
(Chemistry--Organic, TI, v. 6, no. 7) (over)

61-18161

I. Moldavskii, B.
II. Zharkova, V.
III. Title: Analysis ...

Office of Technical Services

61-18162

Moldavskii, B., Nebylova, E., and Nizovkina, T.
ISOMERIZATION OF HYDROCARBONS. VI. INVES-
TIGATION OF BY-PRODUCTS FORMED IN ISOMER-
IZATION OF BUTANES AND PENTANES BY ALU-
MINUM HALIDES AND THE MECHANISM OF THEIR
FORMATION. [1961] 6p. 11 refs.
Order from OTS or SLA \$1.10

61-18162

Trans. of Zhurnal Obshchei Khimii (USSR) 1944, v. 14,
p. 343-349.

DESCRIPTORS: *Hydrocarbons, *Molecular isomerism,
*Butanes, *Pentanes, Aluminum compounds, Chlorides.

Isomerization of butanes and pentanes by aluminum
chloride forms hydrocarbon by-products which boil
below and above the boiling point of the initial hydro-
carbon. The mechanism of formation of these hydro-
carbons involves demethylation and methylation of
butanes and pentanes by aluminum chloride. In the case
(Chemistry--Organic, TT, v. 6, no. 7) (over)

- I. Moldavskii, B.
- II. Nebylova, E.
- III. Nizovkina, T.
- IV. Title: Investigation ...

Office of Technical Services

MOLDAVSKII, O. D. and others. Effect of certain elements on the properties of steel in process of crystallizing. Proc. Conf. on the Physio-Chemical Fundamentals of Steelmaking, Moscow, 1961. pp.106-18 (CRL/T.4040x)

Effect of Caustic Soda and Manganese and Cobalt
Salts on the Oxidation of Isopropylbenzene to the
Hydroperoxide, by B. L. Moldavskiy and I. L.
Belostotskaya, 5 pp.

RUSSIAN, per. Zhur Prikl Khim, Vol XLII, No 12,
1958, pp 1885-1890.

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Sci

Dec 59

104,166

Vapour-Phase Catalytic Oxidation of Butylenes to
Maleic Anhydride, by B. L. Moldavskiy, Yu. D. Kemco,
5 pp.

RUSSIAN, per, *Kinetika i Kataliz*, Vol I, No 2,
1960, pp 267-273.

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Jul 61

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OTS 61-27595
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Conversion of the Oxygen-Containing Compounds of
Cheremkhovo Tar During Liquid-Phase Hydrogenation,
by K. A. Alekseyeva, B. L. Moldavskiy.

RUSSIAN, per, Khim i Tekh Topliv i Masel, Vol III,
No 10, 1958, pp 7-11.

ATS RJ-1902

Sci - Chem
Dec 59

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Preparation of Dibasic Acids from Saturated
Monobasic Fatty Acids by Oxidation with Nitric
Acid, by B. L. Moldavskiy, M. V. Glinova,
R. I. Rudakova, M. Sh. Usanova, E. I. Rubinshtein,
6 pp.

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1959, pp 2771-2776.

CB

Sci

133, 192

Nov 60

Conversion of Phenols During Vapor-Phase
Hydrogenation, by K. A. Alekseyeva, B. L.
Moldavskiy, 8 pp.

RUSSIAN, per, Khim i Tekhnol Topliv i Masel,
Vol IV, No 1, 1959, pp 43-48.

ATS-52L31R

ATS RJ-1899

Sci - Chemistry
Nov 59

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Isomerization of Hydrocarbons. I. Chlorination of
the Isomers of Hexane and Octane with the Aid of
Antimony Pentachloride as a Method for their
Quantitative Determination, by B.L. Moldavskii
and S.E. Lavshin.

RUSSIAN, per Dokl. Ak. Nauk SSSR, 1955, vol.1,
pp. 907-913.
SIA-TP-64-18568

B. L. Moldavskii

Chem
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Catalytic Oxidation of Propylene to Acrolein, by
Yu. D. Kernos, B. L. Moldavskiy, 5 pp.

RUSSIAN, per, Zhur, Prikl, Khim, Vol XXXIII, No 11,
1960, pp 2593-2597.

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Conversion of Phenols During Vapor-Phase
Hydrogenation, by K. A. Alekseyeva, B. E.
Moldavskiy, 8 pp.

RUSSIAN, per, Khim i Tekh Mopliv i Masel USSR.
Vol IV, No 1, 1959, pp 43-48.

ATS-52L3LR

Sci - Chem
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Vol 2, No 4

102, 792

Effect of the Molecular Weight of an Aliphatic Acid on
the Composition of the Dicarboxylic Acids Obtained by
Oxidation, by B. L. Moldavakiy, R. I. Rudakova, 3 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XXXIII, No 2,
1960, 417-420.

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Preparation of Dibasic Acids by Oxidation of
"Hydroxy Acids" With Nitric Acid, by B. L.
Moldavskiy, M. V. Blinova, V. G. Babel', 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXIII, No 2,
1960, pp 463-467.

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Sci

Apr 61

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Moldavskiy, B. L. and Ivanova, I. I.
QUANTITATIVE DETERMINATION OF CYCLO-
HEXYL NITRITE, CYCLOHEXANONE AND NITRO-
CYCLOHEXANE IN THEIR MIXTURES [Kolichestven-
noye Opredeleniye Tsikloheksilnitra, Tsiklohek-
sanona i Nitrotsikloheksana v ikh Smesi]. [1960] 6p.
7 refs.
Order from LC or SLA mi\$1.80, ph\$1.80 61-10225

Trans. of Zhurnal Analiticheskoy Khimii (USSR)
1959, v. 14, no. 3 [p. 378-380].

Cyclohexyl nitrite was quantitatively determined in the
presence of nitrocyclohexane, cyclohexanol and cyclo-
hexanone, but the presence of cyclohexyl nitrite
interfered with the determination of cyclohexanone and
nitrocyclohexane. There was developed a method of
removal of cyclohexyl nitrite. After the decomposition
of cyclohexyl nitrite, cyclohexanone and nitrocyclo-
hexane could be quantitatively determined: the ketone
by means of the hydroxylamine method, and nitro
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